

Name: \_\_\_\_\_

ID# \_\_\_\_\_

**Lyon College Advising Sheet**  
**MATH MAJOR with Secondary Education Concentration**

**The Secondary Education Concentration**

Students pursuing a secondary teaching license must complete the major requirements in an approved teaching field, the secondary concentration requirements, and teaching field requirements.

***Requirements for the Concentration in Secondary Education***

____ PSY 101	Introduction to Psychology	3 credits
____ EDU 202	Overview of Teaching	3 credits
____ PSY 339	Learning & Cognition	3 credits
____ EDU 325	Practicum I	1 credit
____ EDU 326	Practicum II	1 credit
____ EDU 335	Educating Diverse and Exceptional Learners	2 credits
____ PSY 310	Child and Adolescent Development	3 credits
____ EDU 404	Methods of Integrating Liberal Arts in the Secondary School	3 credits
____ EDU 495	Student Internship* (4 credits in fall, 4 credits in spring)	<b>8 credits</b>

**TOTAL = 27 credits**

\* Students will meet one hour a week on the Lyon campus to review intern experiences and discuss relevant topics. **In order to receive a final grade on the internship, candidates must submit passing scores on Praxis II content knowledge exam(s) and must submit passing scores on the pedagogy exam in order to be recommended for licensure by the Arkansas Department of Education.**

***Requirements for the Math Major***

___ MTH 210	Calculus I*	4 credits
___ MTH 220	Calculus II	4 credits
___ MTH 230	Calculus III	4 credits
___ MTH 290	Foundations of Modern Math	3 credits
___ MTH 300	Differential Equations	3 credits
___ MTH 330	Linear Algebra	3 credits
___ MTH 420	Abstract Algebra I	3 credits
___ MTH 440	Mathematical Analysis I	3 credits
___ CSC 140	Introduction to Programming	3 credits
	<b>OR CSC 115 Intro to Programming in Java</b>	

**Three Electives in Math (300/400 level)**

___	_____	3 credits
___	_____	3 credits
___	_____	3 credits

**TOTAL = 39 credits****Teaching Field Requirements for Math Majors:**

**Required by the state for licensure:** \_\_\_\_ MTH 400 Secondary Methods in Mathematics (3 credits)

**Candidates will be individually advised concerning their need for additional areas of coursework tested on the Praxis II exam in:** Algebra, Measurement, Geometry, Trigonometry, Functions, Calculus, Data Analysis/Statistics, Probability; Matrix Algebra, and Discrete Mathematics